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(FILE 'HOME' ENTERED AT 19:40:31 ON 17 FEB 2004)

FILE 'CAPLUS, USPATFULL' ENTERED AT 19:40:49 ON 17 FEB 2004

L1	203553 S ?VINYLACETATE OR ?VINYL ACETATE
L2	75212 S ?VINYLPIRROLIDONE OR ?VNYL PYRROLIDONE
L3	117180 S GRANULAT?
L4	2581 S L1 AND L2 AND L3
L5	87 S L1 (P) L2 (P) L3
L6	9284 S L1 (P) L2
L7	898 S L6 AND L3
L8	3377076 S BURNER OR HEAT?
L9	31 S L8 AND L5
L10	5 S L8 (P) L5

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L10 ANSWER 1 OF 5 USPATFULL on STN

ACCESSION NUMBER: 2003:89357 USPATFULL

TITLE: Retarding formulations of active substances used for plant protection

INVENTOR(S): Ernst, Andreas, Worms, GERMANY, FEDERAL REPUBLIC OF
Bratz, Matthias, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF
Schneider, Karl-Heinrich, Kleinkarlbach, GERMANY, FEDERAL REPUBLIC OF
Lange, Armin, Heidelberg, GERMANY, FEDERAL REPUBLIC OF
Kessler, Thomas, Schifferstadt, GERMANY, FEDERAL REPUBLIC OF
Schelberger, Klaus, Gonnheim, GERMANY, FEDERAL REPUBLIC OF
Strathmann, Siegfried, Limburgerhof, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Ludwigshafen, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6541425	B1	20030401
	WO 9956540		19991111
APPLICATION INFO.:	US 2000-674182		20001027 (9)
	WO 1999-EP2698		19990422

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1998-19819282	19980430
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Pryor, Alton N	
LEGAL REPRESENTATIVE:	Keil & Weinkauff	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	12 Drawing Figure(s); 12 Drawing Page(s)	
LINE COUNT:	1091	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Solid formulation of a crop protection product can be obtained by melt extrusion and shaping of a mixture consisting of:

0.1-80% by weight of an active ingredient which can be used in crop protection, or of a combination of such active ingredients,

10-80% by weight of at least one mineral filler,

0-20% by weight of inorganic or organic additives, and

SUMM to 100% by weight of at least one thermoplastic water-insoluble polymer
In DE 19 622 355, crop protection agents are subjected to melt extrusion and **granulation** together with a **vinyl acetate** polymer which is insoluble in water and a water-soluble polymer (**polyvinyl acetate/vinylpyrrolidone**). Due to low glass transition temperatures, formulations based on **polyvinyl acetate** polymers exhibit insufficient

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L10 ANSWER 5 OF 5 USPATFULL on STN

ACCESSION NUMBER: 1999:166793 USPATFULL
TITLE: Solid support with attached molecules
INVENTOR(S): Loewy, Zvi Gerald, Fair Lawn, NJ, United States
Singh, Bawa, Vorhees, NJ, United States
PATENT ASSIGNEE(S): Sarnoff Corporation, Princeton, NJ, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6004752		19991221
APPLICATION INFO.:	US 1997-956348		19971023 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-54071P	19970729 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Houtteman, Scott W.	
LEGAL REPRESENTATIVE:	Burke, William J.	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	7 Drawing Figure(s); 3 Drawing Page(s)	
LINE COUNT:	1368	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Provided is a solid support having a composition of at least one compound deposited thereon by electrostatic or controlled field deposition, wherein the compound is attached to the support. Also provided is a method of preparing the solid support by creating an electromagnetic force for attracting particles having a first charge to a surface of the solid support and contacting the surface with the charged particles, which comprise the composition, and thereby coating the surface with the composition. Further provided is a probe array comprising spatially resolved probes deposited and attached on a solid support by electrostatic or controlled field deposition. These methods, supports and arrays provide the building blocks for methods of nucleic acid amplification and for constructing apparatuses for conducting chemical processes.

DETD . . . et al., Sandoz, Inc. (contains alkaloids incorporated into a basic pH affected controlled release matrix selected from cellulose acetate phthalate, **polyvinyl acetate** phthalate and hydroxy propylmethyl cellulose phthalate); (2) U.S. Pat. No. 4,111,202, "Osmotic System for the Controlled and Delivery of Agent. . . Alza Corp.; (3) U.S. Pat. No. 4,173,626, "Sustained Release Indomethacin," Dempski et al., Merck & Co., Inc. (coats pellets with **polyvinyl acetate** to slow release); (4) U.S. Pat. No. 4,178,361 "Sustained Release Pharmaceutical Composition," Cohen et al., Union Corp. (uses a water-soluble. . . (13) U.S. Pat. No. 4,587,118, "Dry Sustained Release Theophylline Oral Formulation," Hsiao, Key Pharmaceuticals, Inc., (seed coated with theophylline and **polyvinylpyrrolidone**, then coated with a mixture of ethylcellulose and hydroxypropylcellulose); (14) U.S. Pat. No. 4,666,705, "Controlled Release Formulation," DeCrosta et al., . . . Sons, Inc.; (15) U.S. Pat. No. 4,716,041, "Diffusion Coated Multiple-Units Dosage Form," Kjornaes et al., A/S Alfred Benzon (formulation is **heated** to form, in an film coating located inside an outer film layer, a continuous phase); (16)

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U.S. Pat. No. 4,784,858,. . . whose aqueous solubility is inversely proportional to that of the active are adsorbed to a cross-linked polymer such as cross-linked **polyvinylpyrrolidone**, carboxymethylcellulose or methylcellulose); (19) U.S. Pat. No. 5,178,868, "Dosage Form," Malmqvist-Granlund et al., Kabi Pharmacia Aktiebolag (cores coated with a mixture of (a) a copolymer of vinyl chloride/**vinyl acetate**/vinyl alcohol monomers and (b), for creating pores, a substance that is soluble in water); (20) U.S. Pat. No. 5,234,691, "Sustained-Release. . . agent and a polyanion such a carboxyvinyl polymer or carboxymethylcellulose and coated with a slightly water-soluble macromolecular substance such as **polyvinyl acetate**, ethyl cellulose, aminoalkylmethacrylate copolymer, methacrylic acid copolymer, cellulose acetates, polyethylene, polymethyl methacrylate, polydimethyl-siloxane, hardened oil, beeswax, carnauba wax, sucrose fatty. . . 5,492,700, "Process and Composition for the Development of Controlled Release Gemfibrozil Dosage Form," Ghebre-Sellassie et al., Warner-Lambert Co. (a single **granulation** of gemfibrozil particles **granulated** with a release-control agent such as of cellulose phthalate, ethyl cellulose, polyvinyl phthalate, cellulose succinate, cellulose butyrate, poly(meth)acrylic acid, partially. . .

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heat resistance. Upon **heat** aging (14 days at 54° C.), **granulated** melt extrudates made of **polyvinyl acetate** and **polyvinylpyrrolidone** coalesce to form a coherent mass.